WHITE BALANCING DEVICE AND VIDEO CAMERA

Publication number: JP5007369

Publication date: 1993-01-14

Inventor: SAITO KENJI

Applicant: FUJI PHOTO FILM CO LTD

Classification:

- international: ***H04N9/73;*** **H04N9/73;** (IPC1-7): H04N9/73

- European:

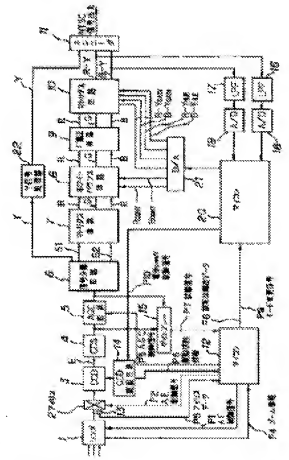
Application number: JP19910175123 19910716

Priority number(s): JP19910175123 19910716; JP19910085117 19910417; JP19910085118 19910417; JP19910096550 19910426; JP19910096551 19910426

Report a data error here

Abstract of **JP5007369**

PURPOSE:To realize good photographing by lowering color failure, improving color reproducibility and preventing flicker. CONSTITUTION:A microcomputer 12 obtains brightness of an object and the state of split photometry based upon the opening degree of an iris 2, etc. A microcomputer 20 outputs white balance controlling signals RCONT and BCONT so that the values of color differencial signals R-Y and B-Y become equal to a reference value. A white balancing circuit 8 changes the amount of amplification of primary red color signal R and primary blue color signal B, corresponding to the values of the white balance controlling signals RCONT and BCONT. The values of white balance controlling signals RCONT and BCONT are changed when a brightness becomes higher than the previous one, or a split photometry mode changes. If these do not take place, they are fixed as they are. The values that the white balance controlling signals RCONT and BCONT can assume are limited to the values within a certain range, depending on outdoor mode or indoor mode. In addition, color reproducibility is improved by adjusting a gain and a hue at a matrix circuit 10. Further, a 1/100 electronical shutter is operated for preventing flicker in the area illuminated by a fluorescent lamp.



Data supplied from the ***esp@cenet*** database - Worldwide